

Dixie Oil Processors

Post-Hurricane Harvey condition of sediment and groundwater at Dixie Oil Processors Superfund site is consistent with historical site conditions that existed before the hurricane made landfall

Sediment and groundwater samples from the Dixie Oil Processors Superfund site were collected on September 8, 2017 and analyzed for volatile organic compounds. Volatile organic compounds of potential concern were not detected.

Dixie Oil Processors (DOP) is a former industrial facility located approximately 20 miles southeast of Houston in Harris County Texas. The Site occupies approximately 26.6 acres and is positioned north and south of Dixie Farm Road, designated as DOP North and DOP South, respectively. DOP North covers 19.0 acres, and DOP South covers 7.6 acres. Mud Gully, a flood control ditch and tributary of Clear Creek, runs along the eastern boundary of DOP North and the western boundary of DOP South. The Brio Refining Superfund site (Brio) borders DOP to the northeast.

DOP North was operated as a copper recovery and hydrocarbon washing facility from 1969 through 1978. A total of six surface pits were used to store and treat wastewater containing copper prior to recovery and discharge. The pits were closed and decommissioned during 1975 and 1977. Several operations occurred at DOP South from 1978 through 1986. These included hydrocarbon washing to produce various chemicals, oil recovery, and blending and distilling residues from local chemical plants and refineries to produce various petroleum products including fuel oil, creosote extender, and a molybdenum concentrate catalyst. Active operations at the site stopped in 1986. Approximately 6,000 cubic yards of contaminated soils were removed in 1984 as part of an EPA emergency action and disposed off-site. There were 107,351 cubic yards of contaminated soils and sub-soils on the site associated with six different pits. Site contaminants included ethyl benzene, hexachlorobenzene, 1,1,2-trichloroethane, methylene chloride, toluene, and chlorobenzene. Construction of the remedy was completed in June, 1993. Deletion of the DOP North site from the National Priorities List occurred in December, 2006.

The next site evaluation will be during the Superfund Five-Year Review. EPA is responsible for reviewing Superfund remedial actions at least every five years where hazardous substances, pollutants or contaminants will remain on site above levels that allow for unlimited use and unrestricted exposure. The last Five-Year Review for this site was completed in September, 2013. CERCLA also requires that EPA report to Congress regarding these sites. A Superfund Five-Year Review Report to Congress is prepared each fiscal year.